

I claim:

1. A method for converting binary image data at a first resolution to binary  
image data at a second resolution, the method comprising:  
5 detecting a plurality of edges of the binary image data;  
sampling a corresponding point substantially near each of the edges;  
fitting a curve between the sampled points; and  
re-sampling the curve at the second resolution.
- 10 2. The method of claim 1, wherein the first resolution is less than the second  
resolution.
3. The method of claim 1, wherein the first resolution is greater than the  
second resolution.
- 15 4. The method of claim 1, wherein the first resolution is an integer multiple of  
the second resolution.
5. The method of claim 1, wherein the first resolution is a non-integer multiple  
20 of the second resolution.
6. The method of claim 1, wherein sampling further comprises sampling at  
substantially the midpoint of each of the edges.
- 25 7. The method of claim 1, wherein fitting a curve further comprises  
consecutively connecting a plurality of straight line segments between each of the  
sampled points.
8. The method of claim 1, wherein re-sampling further comprises comparing a  
30 value of the curve with a midpoint of a square at the second resolution.